

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-302342

(43)Date of publication of application : 02.11.1999

(51)Int.Cl.

C08F290/02  
C08F 2/46  
C09D 4/00  
C09D201/02  
G03F 7/027  
G03F 7/028  
G03F 7/029  
G03F 7/038

(21)Application number : 10-110342

(71)Applicant : KANSAI PAINT CO LTD

(22)Date of filing : 21.04.1998

(72)Inventor : MARUYAMA TSUTOMU  
KUSUMOTO NOBUO

## (54) ACTIVE ENERGY RAY-CURABLE RESIN COMPOSITION AND FORMATION OF COATING FILM USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To form a cured coating film having excellent coating film performances by the irradiation of active energy rays.

SOLUTION: This active energy ray-curable resin composition comprises (A) 5-95 pts.wt. of a mixture comprising 5-40 wt.% of N-methylol(meth) acrylamide and 95-60 wt.% of acryloylmorpholine, (B) 5-90 pts.wt. of an unsaturated resin having one or more polymerizable double bonds on the average in one molecule and having a weight-average mol.wt. of 500-20,000, (C) 0-100 pts.wt. of a reactive diluent, (D) a photocationic polymerization initiator in an amount of 0.1-15 pts.wt. based on 100 pts.wt. of the resin composition comprising the components A, B and C, and (E) a photoradical polymerization initiator in an amount of 0.1-15 pts.wt. per 100 pts.wt. of the resin composition.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]